

Appl. No. : 09/995,816  
Filed : November 27, 2001

## SUMMARY OF INTERVIEW

### Identification of Claims Discussed

Claims 1-25.

### Identification of Prior Art Discussed

Lee et al, Applied Physics Letters, Volume 72, Number 19.

### Proposed Amendments

No amendment was proposed. Rather, Applicants' representative proposed to keep the claims presented in the Amendment and Response to Office Action filed January 28, 2004, which was received February 2, 2004, by the Patent and Trademark Office.

### Principal Arguments

With regard to the rejection of Claims 1-25 under 35 U.S.C. § 112, second paragraph, the undersigned Applicants' representative presented that the claim terms, "movable" and "non-movable" are supported by the specification, particularly paragraph [0020].

With regard to the rejection of Claims 1-4, 9, 10, 12, 15, 17 and 18-21 under 35 U.S.C. § 103(a) as being unpatentable over Lee et al., the Applicants' representative presented that the polymeric compound, poly [2-methoxy-5-(2'-ethyl-hexyloxy)-1,4-phenylene vinylene], disclosed in Lee et al. does not contain an  $[O-(CH_2)_x]_y$  block with x and y equal to or greater than two. Therefore, Lee et al. does not establish a *prima facie* case of obviousness.

### Results of Interview

Examiner Camie Thompson agreed that the claim terms "movable" and "non-movable" are supported by the paragraph [0020] of the specification.

The Examiner agreed that the polymeric compound disclosed in Lee et al. does not contain the  $[O-(CH_2)_x]_y$  block with x and y equal to or greater than two.

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### REMARKS

Applicants thank Examiner Carrie Thompson for the telephonic interview extended to Applicant's representative on August 30, 2002. Applicant files this Response to summarize the issues as discussed and present the pending claims as suggested by the Examiner.

#### Discussion of Rejection under 35 U.S.C. § 112, second paragraph

Claims 1-25 were rejected under 35 U.S.C. § 112, second paragraph in the final Office Action dated May 28, 2004 as containing terms "movable ion" and "non-movable ion." These terms were previously presented in Applicants' January 28, 2004 Amendment and Response to Office Action, which was received by the Patent and Trademark Office on February 2, 2004. The final Office Action indicated that the terms were not supported by the originally filed specification. In the Amendment and Response to Final Office Action filed July 27, 2004, the term "movable ion" was changed to "associated ion," and the term "non-movable ion" was changed to "attached ion." However, the Advisory Action dated August 20, 2004 indicated that the terms "associated ion" was not supported by the originally filed specification.

During the telephonic interview, Applicants' representative indicated that the specification, specifically paragraph [0020], provides support for the terms "movable ion" and "non-movable ion," which was agreed to by the Examiner. Thus, Applicants respectfully request that the amendments made in the January 28, 2004 Amendment and Response to Office Action received by the Patent and Trademark Office on February 2, 2004, be entered, and Claims 1-25 presented in that paper be accepted as pending in this application. Further, Applicants respectfully request that the rejection under 35 U.S.C. § 112, second paragraph be withdrawn.

#### Discussion of Rejection under 35 U.S.C. § 103(a)

Claims 1-4, 9, 10, 12, 15, 17 and 18-21 have been rejected under 35 U.S.C. § 103(a) as being unpatentable over Lee et al. In the Advisory Action, the Examiner indicated that the polymeric compound, poly [2-methoxy-5-(2'-ethyl-hexyloxy)-1,4-phenylene vinylene], disclosed in Lee et al. contains an  $[O-(CH_2)_x]_y$  block.

During the telephonic interview, Applicant's representative submitted that the polymeric compound cited by the Examiner is called "MEH-PPV" and does not contain an  $[O-(CH_2)_x]_y$

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block with x and y equal to or greater than two, as recited in the rejected claims. The chemical structure of MEH-PPV is shown as follows:

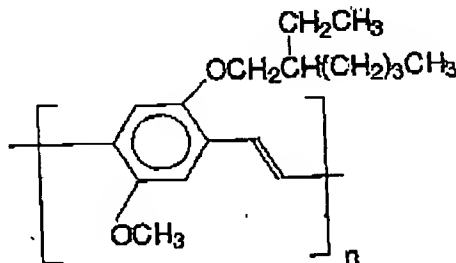


Figure 1. Chemical structure of MEH-PPV.

The Examiner agreed that the MEH-PPV does not contained the  $[O-(CH_2)_x]_y$  block with x and y equal to or greater than two. Applicants respectfully submit that Lee et al. does not teach all of the elements of the rejected claims, and therefore does not establish a *prima facie* case of obviousness. Applicants respectfully request withdrawal of the rejection.

### CONCLUSION

In view of the foregoing remarks, Applicants respectfully submit that the present application is in condition for allowance. Should the Examiner have any remaining concerns, which might prevent the prompt allowance of the application, the Examiner is respectfully invited to contact the undersigned at the telephone number appearing below.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

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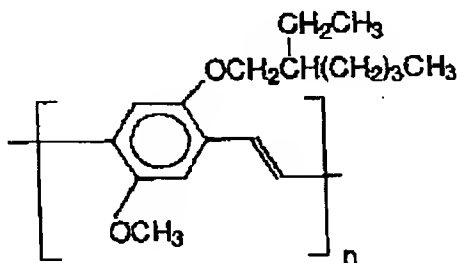


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Dated: 8/30/04

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